

Title (en)

VEHICLE-USE IMAGE PROCESSING SYSTEM, VEHICLE-USE IMAGE PROCESSING METHOD, VEHICLE-USE IMAGE PROCESSING PROGRAM, VEHICLE, AND METHOD OF SETTING-UP VEHICLE-USE IMAGE PROCESSING SYSTEM

Title (de)

BILDVERARBEITUNGSSYSTEM FÜR EIN FAHRZEUG, BILDVERARBEITUNGSVERFAHREN FÜR EIN FAHRZEUG, BILDVERARBEITUNGSPROGRAMM FÜR EIN FAHRZEUG UND VERFAHREN ZUR KONFIGURATION EINES BILDVERARBEITUNGSSYSTEMS FÜR EIN FAHRZEUG

Title (fr)

SYSTEME, PROCEDE ET PROGRAMME DE TRAITEMENT D'IMAGES EMBARQUES, VEHICULE ET PROCEDE DE CONFIGURATION D'UN SYSTEME DE TRAITEMENT D'IMAGES EMBARQUE

Publication

**EP 1862972 B1 20160608 (EN)**

Application

**EP 06729250 A 20060316**

Priority

- JP 2006305257 W 20060316
- JP 2005082826 A 20050322

Abstract (en)

[origin: EP1862972A1] A system or the like capable of detecting lane marks more accurately by preventing false lane marks from being erroneously detected as true lane marks. A vehicle-use image processing system (100) allows a "road surface cluster" to be extracted from the "histogram" of luminance of each pixel in a "reference area" in a road surface image. Among "primary lane mark candidates," those that overlap the "reference area" are detected as "secondary lane mark candidates." Among the "secondary lane mark candidates," those that have "luminance parameter" values falling within the luminance range of the "road surface cluster" are not detected as true lane marks. Thereby, lane marks are prevented from being erroneously detected (erroneous detection). This allows only lane marks to be detected more accurately.

IPC 8 full level

**G06T 7/60** (2006.01); **G06T 1/00** (2006.01); **G06T 7/00** (2006.01); **G06V 10/44** (2022.01)

CPC (source: EP US)

**G06T 7/12** (2016.12 - EP US); **G06V 10/44** (2022.01 - EP US); **G06V 20/588** (2022.01 - EP US); **G06T 2207/10016** (2013.01 - EP US); **G06T 2207/30256** (2013.01 - EP US)

Citation (examination)

KENNETH I. LAWS: "The Phoenix Image Segmentation System: Description and Evaluation", TECHNICAL NOTE NO. 289, 1 December 1982 (1982-12-01), pages 1 - 89, XP055103479, Retrieved from the Internet <URL:http://www.sri.com/sites/default/files/uploads/publications/pdf/657.pdf> [retrieved on 20140220]

Cited by

EP3690814A4; US11275956B2; WO2012034637A1

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DOCDB simple family (application)

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